What is claimed is:

- 1. A method of steganographically embedding geo-location information in an image captured by a camera associated with cell phone, said method comprises steps of: determining geo-location information based on attributes associated with a cell
- determining geo-location information based on attributes associated with a cell phone network; and

steganographically embedding the geo-location information in the image.

- 2. The method of claim 1, wherein the cell phone network comprises a signal tower, and the attributes are associated with the tower.
 - 3. The method of claim 2, wherein the cell phone communicates a signal, and wherein the attributes comprise strength of the signal as received by the tower and a direction associated with the signal.

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- 4. The method of claim 1, wherein the cell phone network comprises a plurality of towers, and wherein the cell phone communicates a signal, the attributes comprising an evaluation of the signal as received by the plurality of towers.
- 5. The method of claim 4, wherein the evaluation considers relative reception timing of the signal as received by each of the plurality of towers.

- 6. The method of claim 4, wherein the evaluation involves triangulation.
- 7. The method of claim 1, wherein the cell phone comprises a steganographic embedder, and uses the embedder to steganographically embed the geo-location information in the image.
 - 8. The method of claim 1, wherein the cell phone network comprises a steganographic embedder located remotely from the cell phone, and wherein the embedder steganographically embeds the geo-location information in the image.

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- 9. The method of claim 8, further comprising communicating the embedded image to the cell phone.
- 10. The method of claim 1, wherein the steganographic embedding comprises digital watermarking.
 - 11. A method of steganographically embedding geo-location information in an image captured by a camera which is integrated with cell phone, wherein the cell phone comprises a wireless interface, said method comprises steps of:
- communicating with a global positioning system (GPS) receiver, which is remotely located from the cell phone via the wireless interface;

receiving geo-location information from the GPS receiver; and

steganographically embedding the geo-location information in the image.

- 12. The method of claim 11, wherein the geo-location information and image are communicated to a cell phone network server which includes a steganographic embedder, and wherein the cell phone network server performs said step of steganographically embedding the geo-location information in the image.
- 13. A method of providing internet access for a computer user comprising:
 issuing the user a digitally watermarked object, wherein the digitally watermarked
 object comprises a digital watermark embedded therein, the digital watermark comprising an identifier;

associating the identifier with the user via a data repository;

receiving optical scan data corresponding to a portion of the object, the portion comprising the digital watermark;

- decoding the digital watermark from the scan data to obtain the identifier; verifying that the identifier is valid; and enabling internet access for the user when the identifier is valid.
- 14. The method of claim 13, wherein the object comprises at least one of a hotel20 room key and an object provided by a hotel.

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- 15. The method of claim 14, further comprising associating a bill for internet access with the user via the identifier.
- 16. A method of accumulating financial charges attributable to a customer so as
 to minimize transaction fees, the customer possession a digitally watermarked object, the digitally watermarked object comprising a digital watermark including an identifier, said method comprising:

receiving scan data associated with the digitally watermarked object;

analyzing the scan data to obtain the identifier from the object;

accessing a data record that is associated with the identifier;

updating the data record to reflect a monetary amount owed for a transaction;

accumulating a plurality of such monetary amounts in the data record; and

forwarding the accumulated amounts for payment at least when one of the

following occur: a predetermined amount for the accumulated amount is reached, and

after a predetermined amount of time.

- 17. The method of claim 16, wherein the aggregated monetary amounts are forwarded to the customer for payment.
- 20 18. The method of claim 16, wherein the aggregated monetary amounts are forwarded to a credit agency for payment.

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- 19. The method of claim 18, wherein the credit agency comprises at least one of a bank and credit card company.
- 20. The method of claim 16, wherein the identifier comprises informationpersonal to the customer.
 - 21. The method of claim 20, wherein the identifier comprises a hash of the personal information.
- 22. The method of claim 16, wherein the identifier is combined with information provided by the customer to access the data record that is associated with the identifier.
 - 23. The method of claim 16, wherein the digital watermark further comprises a biometric, and said method comprises comparing a biometric sample of the customer to the biometric carried by the digital watermark.
 - 24. A method to regulate protected content while allowing fair use of the content, wherein the content includes a digital watermark embedded therein, the digital watermark including at least a copy protection indicator and a time interval indicator, said method comprising:

recognizing the content as protected content by reference to the copy protection indicator; and

upon recognition of the content as protected content, measuring the amount of content rendered by reference to the time interval indicator, and disabling rendering after a predetermined amount of content has been rendered, the predetermined amount corresponding to fair use of the content.

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25. A method for providing royalty payments for content distributed via a network, said method comprising:

receiving registration information from a participant who requires royalty payments for content to be distributed;

- assigning a unique identifier to the participant;
 steganographically embedding the content with the identifier; and
 associating a royalty payment action with the identifier in a data repository.
- 26. The method of claim 25, wherein the royalty payment action is initiated when
 a rendering device decodes the steganographic embedding and obtains the identifier
 during a transaction, the identifier being provided to the data repository and in response,
 said method comprises performing the royalty payment action, wherein the transaction
 exceeds evaluation of the content.
- 27. The method of claim 26, wherein the network comprises a peer-to-peer file-sharing network.

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- 28. The method of claim 27, wherein the royalty payment action comprises determining a percentage of revenue that corresponds to an amount of times the content undergoes a transaction.
- 30. A method of monitoring a content item which is to be broadcast through a broadcasting network, the content item to be identified by a fingerprint of the content derived from the content itself, said method comprising:

maintaining a limited list of content items, the list consisting of those content items that are to be broadcast by the broadcasting network during a predetermined time period, the limited list of content items being respectively associated with one or more fingerprints derived from the content items themselves;

deriving a fingerprint from a content item monitored from the broadcast network; and

interrogating the limited list of content items with the fingerprint to identify the monitored content item.

31. A method of authenticating video comprising at least a first frame and a second frame, said method comprising:

determining a time stamp associated with the video; and

providing a digital signature of the video, wherein the digital signature comprises

data corresponding to at least a portion of the first frame and data corresponding to at least a portion of the second frame, said digital signature further comprising data corresponding to the time stamp.

- 32. The method of claim 31, further comprising providing geo-location information associated with the video, wherein the digital signature further comprises data corresponding to the geo-location information.
- 33. The method of claim 31, wherein the first frame and the second frame areadjacent frames.
 - 34. The method of claim 31, wherein the digital signature is carried via a reversible digital watermark.
- 15 35. The method of claim 31, wherein the digital signature is carried via a file header.